	44400/070			Complete if Known		
Substitute	e for form 1449B/PTO			Application Number	09/669,877	
INI	FORMATION	۱ DI	SCLOSURE	Filing Date	09/27/2000	
	ATEMENT			First Named Inventor	Mills	
				Group Art Unit	1754 1745	
	(use as many sh	eets a	s necessary)	Examiner Name	Unknown BANG-FOSTE	
Sheet	1	of	6	Attorney Docket Number		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
B	97	H Atoms in RF Plasmas," Contributions to Plasma Physics, submitted. (Web Publication Date: Sept. 26, 2003.) Attachment 97 at www.blackuphtpower.com		
M	96	J. Phillips, C.K. Chen, R. L. Mills, "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," J. Phys. D., submitted. (Web Publication Date: Sept. 12, 2003.) Attachment 96 & WWW. &	ladi	lightprule
M	95	R. L. Mills, P. Ray, B. Dhandapani, "Excessive Balmer Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas" IEEE Transactions on Plasma Science, submitted. (Web Publication Date: Aug. 18, 2003.) Attachment 95		
M	94	R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Il Nuevo Cimento, submitted. (Web Publication Date: Aug. 6, 2003.) Attachment 94 Afwww. bleuthfarmer.		
b	93	R. L. Mills, P. Ray, M. Nansteel, J. He, X. Chen, A. Voigt, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," in preparation. Attachment 93	rub	icatim
M	92	Energy Source," European Physical Journal D, submitted. (Web Publication Date: June 6, 2003.) Attachment 92 Of WWW. Machinery Com-		
M	91	R. Mills, P. Ray, "New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Gertain Group I Catalysts," J. Plasma Physics, submitted. Attachment 91	700	
B	90	R. L. Milis, P. Ray, M. Nansteel, J. He, X. Chen, A. Voigt, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003). Attachment 90		

Examiner Signature	Suy	, Isan	Freter	 ate onsidered	4/15/04	`

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

0.1-21.1	6			Complete if Known			
Substitute	e for form 1449B/PTO			Application Number	09/669,877		
INI	FORMATION	l DI	SCLOSURE	Filing Date	09/27/2000		
	ATEMENT E			First Named Inventor	Mills		
				Group Art Unit	1784 1745		
(use as many sheets as necessary)				Examiner Name	Unknown TSANG-FUSTER		
Sheet	2	of	6	Attorney Docket Number			

		AND	7
		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No:	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
M	89	Energy State Hydride, Technical Physics, submitted. Attachment 69	+ a blication
M	88	R. Mills, J. Sankar, A. Voigt, J. He, P. Ray, B. Dhandapani, "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," JACS, in preparation Attachment 88	
M	87 J	R. Mills, B. Dhandapani, M. Nansteel, J. He, P. Ray, "Liquid-Nitrogen Gendensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted Attachment 87	
M	86	R. L. Mills, P. Ray, J. He, B. Dhandapani, M. Nansteel, "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Web Publication Date: April 24, 2003.) Attachment 86	
M	85	R. L. Mills, P. Ray, R. M. Mayo, "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted. Attachment 85	_
M	84	R. L. Mills, P. Ray, J. Dong, M. Nansteel, R. M. Mayo, B. Dhandapani, X. Chen, "Comparison of Balmer α Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Plasma Sources Science and Technology, submitted. (Web Publication Date: March 12, 2003.) Attachment 84 Δt www. blackly happens. Δt	n
M	83 X	R. Mills, P. Ray, M. Nansteel, R. M. Mayo, "Comparison of Water-Plasma Sources of Stationary Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation. Attachment 83	
M	82 1	R. Mills, J. Sankar, P. Ray, J. He, A. Voigt, B. Dhandapani, "Synthesis and Characterization of Diamond Films from MPCVD of an Energetic Argon-Hydrogen Plasma and Methane," J. of Materials Research, submitted. (Web Publication Date: May 7, 2003.) Attachment 82 at www. Exclusive process.	

Examiner Signature Ausy Isan Tr	Date Considered	4/15/04

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

					1 101001000 (
Q 1 "" 1	44400/DTO			Complete if Known		
Substitute	e for form 1449B/PTO			Application Number	09/669,877	
INI	FORMATION	l DI:	SCLOSURE	Filing Date	09/27/2000	
	ATEMENT E			First Named Inventor	Mills	
				Group Art Unit	1764 1745	
(use as many sheets as necessary)				Examiner Name	Unknown TSANG-FISTER	
Sheet	3	of	6	Attorney Docket Number		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
s	81 J	R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, submitted. (Web Publication Date: Feb. 21, 2003.) Attachment 81 at www.buchlystpress.com	
b	80 /	R. L. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Foundations of Phys., submitted. (Web Publication Date: Jan. 27, 2003.) Attachment 80 At WWW. blackly	r. com
m	79,	R. Mills, J. He, B. Dhandapani, P. Ray, "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted. Attachment 79	
М	78 🗸	R. L. Mills, P. Ray, J. Dong, M. Nansteel, B. Dhandapani, J. He, "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen," Bulletin of the Chemical Society of Japan, submitted. (Web Publication Date: Sept. 9, 2002.) Attachment 78 WWW. blacklystpwer.	
M	77	J. Phillips, R. L. Mills, X. Chen, "Water Bath Calorimetric Study of Excess Heat in 'Resonance Transfer' Plasmas," Journal of Applied Physics, submitted. (Web Publication Date: June 16, 2003.) Attachment 77 & www. blackly	.cm
M	76	R. L. Mills, P. Ray, B. Dhandapani, X. Chen, "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Journal of Applied Spectroscopy, submitted. (Web Publication Date: Feb. 12, 2002.) Attachment 76 AT WWW. Lauty of Principal Publication Date: Feb. 12, 2002.)	
1)	75	R. L. Mills, P. Ray, B. Dhandapani, J. He, "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas," Acta Physica Polonica A, submitted. (Web Publication Date: Oct. 29, 2002.) Attachment 75 At WWW. Lechyptpwer.	m
M	74	R. L. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, B. Dhandapani, J. Phillips, "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Physics of Plasmas, submitted. (Web Publication Date: June 18, 2003.). Attachment 74 at www.blacklightpun	er.an

Examiner Signature	Suy	Isar	Fluster	Date Considered	4/15/04	
	7	7				

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

				Complete if Known		
Substitut	e for form 1449B/PTO			Application Number	09/669,877	
IN	FORMATION	ı Di	SCLOSURE	Filing Date	09/27/2000	
	TATEMENT !			First Named Inventor	Mills	
				Group Art Unit	1754 1745	
(use as many sheets as necessary)				Examiner Name	Unknown TSANG-FOSTER	
Sheet	4	of	6	Attorney Docket Number		

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
D	73	R. L. Mills, P. Ray, B. Dhandapani, J. He, "Energetic Helium-Hydrogen Plasma Reaction," AIAA Journal, submitted. (Web Publication Date: July 26, 2002.) Attachment 73 At www. blacklyhtpwww.cum		*
N	72	R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Fransfer with Strontium and Argon Ions," Vacuum, submitted. Attachment 72 101 102 103 103 104 105 105 105 105 105 105 105		
M	71	R. L. Mills, P. Ray, B. Dhandapani, J. Dong, X. Chen, "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," Contributions to Plasma Physics, submitted. Attachment 71 To Fa publications.	<i></i>	
M	70	R. Mills, J. He, A. Echezuria, B Dhandapani, P. Ray, "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," European Journal of Physics D, submitted. (Web Publication Date: Sept. 2, 2002.) Attachment 70		
M	69 ⁴	R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, Vol. 15, (2003), pp. 1313–1321. (Web Publication Date: Dec. 31, 2002.) Attachment 69	at wi black	v w- lystprie
N	68 V	R. Mills, P. Ray, R. M. Mayo, "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser," IEEE Transactions on Plasma Science, submitted. (Web Publication Date: Aug. 16, 2002.) Attachment 68 at www.	power.	um
M	67	R. L. Mills, P. Ray, B. Dhandapani, J. He, "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. D, Vol. 36, (2003), pp. 1535–1542. (Web Publication Date: July 17, 2002.) Attachment 67 AF WWW. blacklyffpw.	er. um	
M	66 ^k	R. L. Mills, P. Ray, "Spectroscopic Evidence for a Water-Plasma Laser," Europhysics Letters, submitted. (Web Publication Date: Sept. 19, 2002.) Attachment 66		

Examiner Signature Sury Isay Fratt	Date Considered	4/15/04	
------------------------------------	--------------------	---------	--

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO Complete if Known			lete if Known		
Substituti	e for form 1449B/P1O			Application Number	09/669,877
INFORMATION DISCLOSURE				Filing Date	09/27/2000
	STATEMENT BY APPLICANT (use as many sheets as necessary)			First Named Inventor	Mills
				Group Art Unit	1754 1745
				Examiner Name	Unknown TSANG-FOSTER
Sheet	5	of	6	Attorney Docket Number	

	_	OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
N	65	R. Mills, P. Ray, R. M. Mayo, "Spectroscopic Evidence for CW H I Lasing in a Water-Plasma," J. of Applied Physics, submitted. (Web Publication Date: Sept. 18, 2002.) Attachment 65	
ss	64	R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Low Power MPCVD of Diamond Films on Silicon Substrates," Journal of Vacuum Science & Technology A, submitted. (Web Publication Date: June 26, 2002.) Attachment 64	
n	63 ^V	R. L. Mills, X. Chen, P. Ray, J. He, B. Dhandapani, "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," Thermochimica Acta, in press. (Web Publication Date: June 25, 2002.) Attachment 63 At www.blachlightpwer. cm	
M	62 ^V	R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," Materials Characterization, submitted. Attachment 62	,
M	61 ^V	15, 2002.) Attachment 61 at www. blacklightpower. com	
1)	60	R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon," Journal of Material Science, submitted. (Web Publication Date: May 3, 2002.) Attachment 60 of www. blacklyfopwer. com-	
M	59 √	R. Mills, P. Ray, R. M. Mayo, "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, Vol. 82, No. 11, (2003), pp. 1679–1681. (Web Publication Date: July 11, 2002.) Attachment 59 Www.blacklyftfprwer. CM	<u></u>
M	58 ₹	R. L. Mills, "Classical Quantum Mechanics," Physics Essays, submitted. (Web Publication Date: May 23, 2002.) Attachment 58	mer com

		, ,	/ /		./ /	
Examiner Signature	Aury	Juano To	este	Date Considered	415/04	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known		
Substituti	e for form 1449B/PTO			Application Number	09/669,877	
INFORMATION DISCLOSURE				Filing Date	09/27/2000	
	STATEMENT BY APPLICANT			First Named Inventor	Mills	
				Group Art Unit	1754 1745	
(use as many sheets as necessary)			s necessary)	Examiner Name	Unknown TSANG-FISTER	
Sheet	6	of	6	Attorney Docket Number		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
B	₅₇ √	R. L. Mills, P. Ray, "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, Quantitative Spectroscopy and Radiative Transfer, No. 39, sciencedirect.com, April 17, (2003). Attachment 57	
M	56 ✓	R. M. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1–4. (Web Publication Date: March 28, 2002.) Attachment 56 & Www. blackuphtpower.	
M	55 [√]	R. Mills, P. Ray, R. M. Mayo, "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Web Publication Date: April 22, 2002.) Attachment 55 'ad Www.blackleptpmer.com	
M	54	R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504–1509. (Web Publication Date: March 20, 2002.) Attachment 54 Aww. blacklyptpwer. Com-	
M	53 🗸	R. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium," Physics of Fluids, submitted. (Web Publication Date: June 4, 2002.) Attachment 53 at www.blacklyhtpwcr. cm	
AI	52 √	R. Mills and M. Nansteel, P. Ray, "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1–70.28. (Web Publication Date: October, 2002, when it became available on the New Journal of Physics website.) Attachment 52	
SI	51 v	R. Mills, P. Ray, R. M. Mayo, "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236–247. (Web Publication Date: Feb. 4, 2002.) Attachment 51 At www. Lackuphtp.	wer.com
M	50 ✓	R. L. Mills, P. Ray, J. Dong, M. Nansteel, B. Dhandapani, J. He, "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195–213. Attachment 50	

Examiner Signature	Su	ey Isan	7 Fister	Date Considered	4/15/04	
		7				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.



	12			PTO/SB/00B (Modified)			
Substitute for form	1440P/PTO	& TRADEMARK	Compl	lete if Known			
Substitute for form	14496/210		Application Number	09/669,877 2000 M			
INFOR	MATION [DISCLOSURE	Filing Date	09/27/2003 HECEIVED			
		APPLICANT	First Named Inventor	Mills MAR 1 2 206			
			Group Art Unit	1754 (245TC 1200)			
(use	as many sheets	s as necessary)	Examiner Name	Langer TSANG-FOSTER			
Sheet 1	C	of 4	Attorney Docket Number				
	OTHER	R PRIOR ART — NON PA	TENT LITERATURE DOC	UMENTS			
Examiner Cite No.	Include item (bod	ok, magazine, journal, senal, sympo	ETTERS), title of the article (when app isium, catalog, etc.), date, page(s), volu and/or country where published.	ume-issue number(s).			
S	Incandescen	R. Mills, Th. Wrubel, "Err tly Driven-Plasma in a Po Fechnology, submitted.	rission in the Deep Vacuum tassium Carbonate Cell", F Attachment 70	n Ultraviolet from an Plasma Sources publication			
M	Incandescen submitted. (V	tly Heated Hydrogen Gas Web Publication Date: Ma	d Lyman Population Forme s with Certain Catalysts", C arch 20, 2002) Attachment	hem. Phys. Letts. 171 Internet punk cerm at			
M	R. L. Mills, B	. Dhandapani, J. He, "Syl	nthesis and Characterization	on of a mighty stable			
M	R. L. Mills, A	. Voigt, B. Dhandapani, J	He, "Synthesis and Chara grgy, submitted. (Web Publi Buchn Lak o	acterization of Lithium 🗸			
M	R. L. Mills, P	. Ray, "Substantial Chang to Combining Argon and	ges in the Characteristics of Hydrogen," New Journal of 22.17. (Web Publication Date of the Control of the Cont	of Physics,			
M	R. L. Mills, P Hyperfine Le of Atomic Hy	. Ray, " High Resolution :	Spectroscopic Observation on Corresponding to a Fracent Energy, in press. (Web P	of the Bound-Free ctional Rydberg State			
M	R. L. Mills, E. Dayalan, "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," Proceedings of the 17 th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1-6. (Web Publication Date: Nov. 9, 2001.). Attachment 77 at www. w. Weben. W						
M	R. M. Mayo, R. Mills, M. Nansteel, "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," IEEE Transactions on Plasma Science, August, (2002), Vol. 30, No. 4, pp. 1568-1578. (Web Publication Date: Nov. 12, 2001.) Attachment 78 at WWW. Washington						
Examiner Signature	Sun Is	in Juste	Considered	5/64			
*EXAMINER: Initial conformance and n	if reference considered. Inc	dered, whether or not citation is dude copy of this form with next	in conformance with MPEP 609. communication to applicant.	Draw line through citation if not in			

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

ŧ		OIPE						
		MAR 1 0 2003 🙀			PTO/SB/08B (M	lodified)		
				Compl	ete if Known			
Substitute	for form	1449B/PTO THADENAMES	Application Nu	mber	09/669,877		u	
INF	ORI	MATION DISCLOSURE	Filing Date		09/27/2003		HOY	
		MENT BY APPLICANT	First Named In	ventor	Mills HEC	EIVE	D	
			Group Art Unit		1754 MAR 1	2,2002	_	
	(use a	as many sheets as necessary)	Examiner Nan	ne	Langel TC 1	16-P072	<i>5</i> C	
Sheet	2	of 4	Attorney Dock	et Number		700	I	
		OTHER PRIOR ART — NON PA	TENT LITERA	TURE DOC	UMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LE item (book, magazine, journal, serial, sympos publisher, city ar	TTERS), title of the a sium, catalog, etc.), da ad/or country where p	ite, page(s), voiu	opriate), title of the me-issue number(s),	T ²		
M		"Excessive Balmer Line Broadening Product of Plasma Formed from Incan	R. Mills, P. Ray, J. Dong, M. Nansteel W. Good, P. Jansson, B. Dhandapani, J. He, "Excessive Balmer Line Broadening, Power Balance, and Novel Hydride Ion Product of Plasma Formed from Incandescently Heated Hydrogen Gas with Certain Cetalysts", Int. J. Hydrogen Energy, submitted. Attachment 78					
B		R. Mills, E. Dayalan, P. Ray, B. Dhand Hydrides from Aqueous Electrolysis ar Applied Physics, submitted. (Web Pub	nd Plasma Flec	trolvsis". Ja	panese Journal of 💎 🔻	www.	blacklyh power sun	
M		R. L. Mills, P. Ray, B. Dhandapani, J. I Broadening of Glow Discharge and Mi Catalysts", Chem. Phys., submitted. (Attachment 80 At www.	crowave Hydro Web Publicatio	gen Plasma n Date: Oct	as with Certain ober 9, 2002)			
M		R. L. Mills, P. Ray, B. Dhandapani, J. Rydberg States of Atomic Hydrogen", Publication Date: October 9, 2002) At	J. of Phys. Che	m. (letter), :	submitted. (Web 🗝	.an		
M	7	R. L. Mills, P. Ray, B. Dhandapani, M. from Fractional Rydberg States of Ato (Web Publication Date: October 9, 200	mic Hydrogen",	Chem. Phy	ys.Letts., submitted.	poves.	on	
Sta		R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," J. of Quantitative Spectroscopy and Radiative Transfer, in press. (Web Publication Date: Oct. 9, 2001.). Attachment 83 AFWWW. Likelyhtfiwer. Com-						
M		R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion", Spectrochimica Acta, Part A, submitted. (Web Publication Date: October 10, 2001) Attachment 84 At Www. bullingstynwer.						
M		R. L. Mills, P. Ray, "Spectroscopic Ide Rubidium Ion with Atomic Hydrogen a Energy, Vol. 27, No. 9, (2002), pp. 92	nd the Hydride	ion Productiblication Da	t," Int. J. Hydrogen ate: Sept. 19, 2001.)	t www blackl	htpmar.	
Examiner Signature	1	hung Lean - Jaste	Date Considered	4/15/	by]	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.



12	\mathcal{A}		PTO/SB/08B (Modified	<u>}</u>		
Substitute for form 1449B/PTO	PADEMARKO	Comp	Complete if Known			
Substitute for form 1445B/F TO	HAUL	Application Number	09/669,877			
INFORMATION D	ISCLOSURE	Filing Date	09/27/2003 2000	M floy		
STATEMENT BY		First Named Inventor	Mills HECEIVE			
		Group Art Unit	1784 HMAR 1 9 20			
(use as many sheets	as necessary)	Examiner Name	Langel 15/ANG-1884	ER		
Sheet 3 of	4	Attorney Docket Number	1700]		

-		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
12		R. Mills, J. Dong, W. Good, P. Ray, J. He, B. Dhandapani, "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 967-978. (Web Publication Date: Sept. 14, 2001.). Attachment 86 & Www.blackly/hyrww.	/	
M		R. L. Mills, A. Voigt, P. Ray, M. Nansteel, B. Dhandapani, "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," Int. J. Hydrogen Energy, Vol. 27, No. 6, (2002), pp, 671-685. (Web Publication Date: Aug. 22, 2001.). Attachment 87	er. com	
B		R. Mills, P. Ray, "Vibrational Spectral Emission of Fractional-Principal-Quantum- Energy-Level Hydrogen Molecular Ion," Int. J. Hydrogen Energy, Vol. 27, No. 5, (2002), pp. 533-564. (Web Publication Date: July 19, 2001.) Attachment 88	black	lyst un
M		R. Mills, P. Ray, "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," Int. J. Hydrogen Energy, (2002), Vol. 27, No. 3, pp. 301-322. (Web Publication Date: Aug. 1, 2001.) Attachment 89 # Www. blacklyffwwc	/	
M		R. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product," Int. J. Hydrogen Energy, Vol. 27, No. 2, (2002), pp. 183-192. (Web Publication Date: Jan. 11, 2002.) Attachment 90 Atwww. Hydrogen Likelightywer. Com	/	
M		R. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697. (Presented at the conference on March 7, 2001;	/	
M		Keith Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation." Attachment 97	/	

		, 			
Examiner Signature	Sury Isaro A	este	Date Considered	4/15/04	

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

MAR 1 0 2003

PTO/SB/08B (Modified)

\ z	A.	.6/		1 TO/OB/00B (Modified	<u>47</u>	
PADEMARK PADEMARK			Complete if Known			
Substitute for form 1449B/PTO		Application Number	09/669,877			
FORMATIO	N DI	SCLOSURE	Filing Date	09/27/2003 2000] \$34/04	
STATEMENT BY APPLICANT			First Named Inventor	Mills NECEIVE		
			Group Art Unit	1754 MAR 1 2	/ \$	
(use as many sheets as necessary)			Examiner Name	Langel TC TSANG+	4575R	
4	of	4	Attorney Docket Number	100		
	FORMATIO	FORMATION DISTATEMENT BY A	FORMATION DISCLOSURE TATEMENT BY APPLICANT (use as many sheets as necessary)	FORMATION DISCLOSURE FIling Date First Named Inventor Group Art Unit (use as many sheets as necessary) First Name First Named Inventor Comp Application Number Filing Date First Named Inventor Group Art Unit Examiner Name	Complete if Known Application Number 09/669,877 Filing Date 09/27/2803 2000 First Named Inventor Mills Group Art Unit 1754 (use as many sheets as necessary) Examiner Name Langel TC TSANG-1	

nitials*	No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	_
		item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M		R. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. Orbis Scientiae entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th Conference on High Energy Physics and Cosmology Since 1964) Dr. Behram N. Kursunoglu, Chairman, December 14-17, 2000, Lago Mar Resort, Fort Lauderdale, FL, Kluwer Academic/Plenum Publishers, New York, pp. 243-258. (Presented at the conference on Dec. 15, 2000; Web Publication Date: May 17, 2001.) Already considered.	7

Examiner Signature Date Considered 4/15/64

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

PTO/SB/08B (Modified) Complete if Known Substitute for form 1449B/PTO Application Number 09/669,877 09/27/2000 Filing Date INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor Mills **Group Art Unit** 1754 (use as many sheets as necessary) **Examiner Name** Attorney Docket Number 3 Sheet of OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Cite Evaminer item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), T² No. Initials* publisher, city and/or country where published. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted. (no date) R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts", Chem. Phys. Letts., publication submitted. not a R. L. Mills, B. Dhandapani, J. He. "Synthesis and Characterization of a Highly Stable Amorphous Silicen Hydride", Int. J. Hydrogen Energy, submitted (no date) R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Characterization of Lithium Chloro Hydriden, Int. J. Hydrogen Energy, submitted. (no date, R. L. Mills, P. Ray, "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen", New Journal of Physics, submitted. R. L. Mills, P. Ray, "High Resolution Spectroscopic Observation of the Bound-Free Hyperfine Levels of a Nevel Hydride Ion Corresponding to a Fractional Rydberg State of Atomic Hydrogen", Int. J. Hydrogen Energy, in press. Ino date R. L. Mills, E. Dayalan, "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries", Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), in press.

	·			
Examiner Signature	Sury Long Frete	Date Considered	4/15/04	

R. Mayo, R. Mills, M. Nansteel, "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power, Applications", IEEE Transactions on Plasma Science, submitted.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

				PTO/SB/08B (Modified			
Substitute for form 1449B/PTO				C mplete if Kn wn			
				Application Number	09/501,622 09/6	64,8	
INFORMATION DISCLOSURE				Filing Date	02/09/2000 9/17/20		
STATEMENT BY APPLICANT				First Named Inventor	Mills	· 	
				Group Art Unit	2754 745		
((use a	s many sheets a	as necessary)	Examiner Name	09/669,877 TSAN	G-F1	
eet 2	2	of	3	Attorney Docket Number	09/27/2000		
				ATENT LITEDATURE DOC	NIMENTS		
				ATENT LITERATURE DOC		<u> </u>	
miner ils*	Cite No. 1	Include na item (bo ok,	magazine journal serial symp	LETTERS), tille of the article (when applosium, catalog, etc.), date, page(s), volund/or country where published.	propriate), tide of the lume-issue number(s),	T ²	
M	V	"Excessive Bal	lmer line Prozitenii	el, W. Good, P. Jansson, B. ng, Power Balance, and No andescently Heated Hydrog submitted (ho Ja	en_Gas with Certain		
						=	
H	V	R. Mills, E. Day Hydrides from Applied Physic	Aqueous Electrolysis	ndapani, J. He, "Highly Stab and Plasma Electrolysis", J (No Jate)	apanese Journal of		
H	V	Broadening of	Ray, B. Dhandapani, J Glow Discharge and t em. Phys., submitted.	. He, "Comparison of Exce: Microwave Hydrogen Plasm (No date)	essive Balmer Line eas with Certain		
N	V	R. L. Mills, P. I Rydberg State	Ray, B. Dhandapani, J es of <u>Atomie Hydrogen</u>	. He, "Spectroscopie Identit", J. of Phys. Chem. (letter)	fication of Fractional , submitted. (No		
T	V	R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Rydberg States of Atomic Hydrogen", Chem. Phys. Letts., submitted.					
11	V	R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen", Quantitative Spectroscopy and Energy Transfer, submitted.					
M	1	R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion", Spectrochimica Acta, Part A, submitted.					
N	V	R. L. Mills, P. Rubidium lon Energy, in pre	with Atomic Hydrogen	dentification of a Novel Cata and the Hydride Ion Produ	alytic Reaction of ct", Int. J. Hydrogen		
M aminer	V	Rubidium lon	with Atomic Hydrogen ess. (No clade	and the Hydride ion Produ	alytic Reaction of ct", Int. J. Hydroge	en	

W. Char

Signature

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Complete if Known

		OTO						
Substitute	for form	1449B/PTO		Application Number	09/669,877			
INIE		MATION DI	SCLOSURE	Filing Date	09/27/2000			
			APPLICANT	First Named Inventor	Mills	Mills		
				Group Art Unit	17547745			
	(use a	ns many sheets a	s necessary)	Examiner Name	Langer 75 ANG	F057610	ŗ	
Sheet	3	of	3	Attorney Docket Number				
· · · · · · · · · · · · · · · · · · ·		07,450,01	DIOD ACT. NON D	ATENT LITERATURE DO	CLIMENTS			
				ATENT LITERATURE DO		T		
Examiner Initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
M	V	R. Mills, J. Dong Balances of No J. Hydrogen En						
M	V	R. L. Mills, A. Voigt, P. Ray, M. Nansteel, B. Dhandapani, "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas", Int. J. Hydrogen Energy, in press.						
11	V	R. Mills, P. Ray Energy-Level H						
12	V	R. Mills, P. Ray Hydrogen from J. Hydrogen En						
M	1	R. Mills, P. Ray Potassium and Energy, Vol. 27	,					
St	V	the Potential for Hydrogen Asso Hydrogen: The	r Direct Conversion to	gy-A New Clean Hydroger Electricity", Proceedings of U.S. Hydrogen Meeting and e Washington Hilton and T	of the National d Exposition,			
M	V	Keith Keefer, P Scientific Basis Corporation.	h.D., "Interim Report of , State of Developmen (My date)	on BlackLight Power Tech nt and Suitability for Comn	nology: Its Apparent nercialization by Liebert	appea	or met to be ic documen	
M	√	R. Mills, "The G Distributed by A	Grand Unified Theory of Amazon.Com.	of Classical Quantum Med	hanics," (2001),	į.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

Considered

Examiner

Signature

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.